

Converting Colors

XYZ(77.5819, 83.4346, 89.9259)

Have a look what the booklet for
XYZ(77.5819, 83.4346, 89.9259)
contains.

XYZ(77.4486, 83.1669, 89.8127)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.4486, 83.1669,
89.8127)**

Conversions

Conversions Part 1

Format	Color
Hex	E5EDEA
RGB	229, 237, 234
RGB Percent	90%, 93%, 92%
CMY	0.1020, 0.0706, 0.0823
CMYK	0.03, 0.00, 0.01, 0.07
HSL	157°, 18%, 91%
HSV	157°, 3%, 93%
XYZ	77.4486, 83.1669, 89.8127
YIQ	234.2660, -3.8050, -2.6290

Conversions

Conversions Part 2

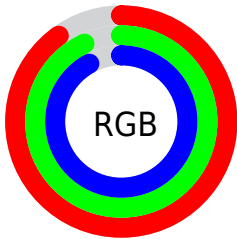
Format	Color
R _Y B	229, 234, 237
Decimal	15068650
CIE Lab	93.09, -3.19, 0.52
CIE LCh	93, 3.233, 170.834
Yxy	83.1669, 0.3093, 0.3321
Android (android.graphics.Color)	4293258730 (0xFFE5EDEA)
YUV	234.2660, -0.1311, -4.6183
Hunter-Lab	91.1959, -8.0007, 5.4464

Details

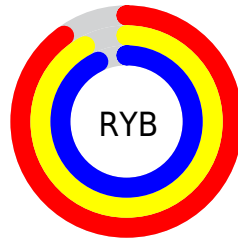
The XYZ color **77.4486, 83.1669, 89.8127** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.5130, 79.8716, 87.6795**, and the grayscale version is **78.4133, 82.4968, 89.8391**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0153, 45.2608, 48.6412** is the 20% darker color. If you saturate the color by 10%, you get **69.1510, 79.0356, 82.9212**, and if you desaturate by 10%, it is **86.8475, 87.8632, 97.0941**.

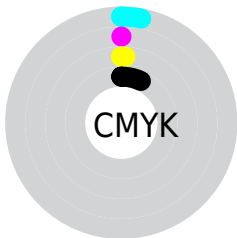
Distribution



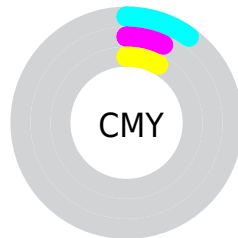
- Red (90%)
- Green (93%)
- Blue (92%)



- Red (90%)
- Yellow (92%)
- Blue (93%)



- Cyan (3%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)



- Cyan (10%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4486, 83.1669, 89.8127 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 77.4486, 83.1669, 89.8127 by changing the saturation by 10% instead.

■ 77.4486, 83.1669,
89.8127

■ 77.4486, 83.1669,
89.8127

475.1607,
505.5426, 547.9758

■ 57.9223, 62.3278,
67.2525

128.7420,
137.8092, 149.0114

■ 41.9892, 45.2977,
48.8269

161.2399,
172.3812, 186.4870

■ 29.2839, 31.6919,
34.1176

198.7923,
212.2997, 229.7715

■ 19.4411, 21.1263,
22.7059

241.7647,
257.9490, 279.2834

■ 12.0953, 13.2164,
14.1732

290.5224,
309.7136, 335.4412

■ 6.8813, 7.5777,
8.1011

345.4307,

■ 3.4336, 3.8259,

367.9777, 398.6635

4.0710

406.8550,
433.1260, 469.3688

■ 1.3870, 1.5767,
1.6644

■ 0.2469, 0.3418,
0.3362

■ 77.4486, 83.1669,
89.8127

■ 77.4486, 83.1669,
89.8127

■ 69.1510, 79.0356,
82.9212

■ 86.8475, 87.8632,
97.0941

■ 61.9050, 75.4369,
76.4073

■ 89.0634, 88.8466,
104.3774

■ 55.6679, 72.3510,
70.2657

■ 89.5758, 89.0515,
107.0753

■ 50.3909, 69.7530,
64.4892

■ 46.0210, 67.6157,
59.0699

■ 42.5002, 65.9092,
53.9998

■ 39.7630, 64.6000,
49.2705

■ 37.7343, 63.6493,
44.8727

■ 36.3226, 63.0104,
40.7963

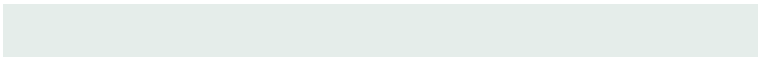
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7900, 83.1669, 87.6369



77.4486, 83.1669, 89.8127



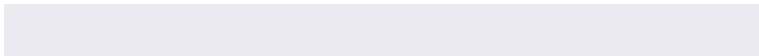
77.5333, 83.1669, 92.2259

Triad

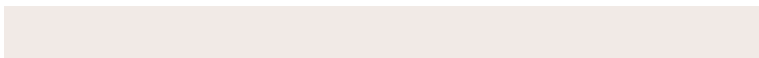
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4486, 83.1669, 89.8127



79.6291, 83.1669, 94.9901



80.0821, 83.1669, 86.9816

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



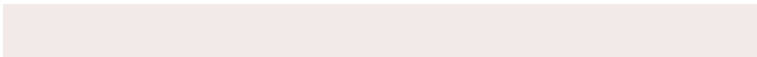
77.4486, 83.1669, 89.8127



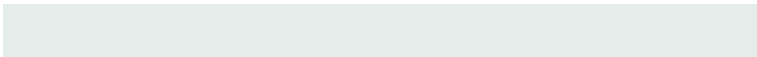
77.5130, 79.8716, 87.6795

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5816, 83.1669, 88.9036



77.4486, 83.1669, 89.8127



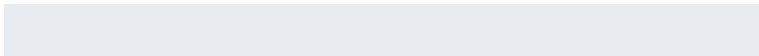
80.3188, 83.1669, 93.5364

Square

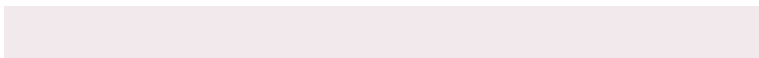
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



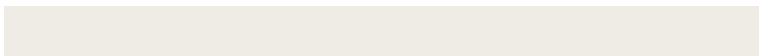
77.4486, 83.1669, 89.8127



78.7882, 83.1669, 95.2441



80.6685, 83.1669, 91.3006



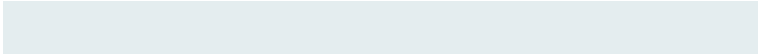
79.3077, 83.1669, 86.0217

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.4486, 83.1669, 89.8127



77.8202, 83.1669, 93.6429



80.6685, 83.1669, 91.3006



80.2879, 83.1669, 87.5350

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



77.4510, 83.1705, 89.8145



93.9643, 99.4581, 108.0469



77.7303, 83.3963, 86.1303



20.1237, 21.2938, 23.1355



0.0000, 0.0000, 0.0000



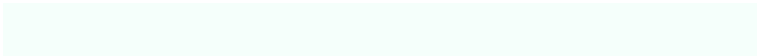
20.3446, 21.4041, 23.3091

Same Dimension

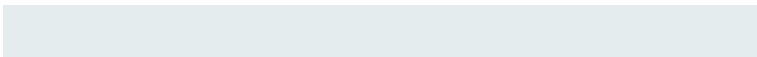
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.4510, 83.1705, 89.8145



90.7861, 97.8724, 105.5152



77.6166, 82.8053, 92.0171



16.1069, 17.4405, 18.7669



19.5203, 34.2626, 21.2370



1.5792, 2.7090, 1.9119

Inverse Universe

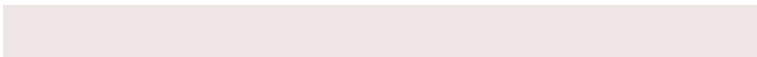
The Inverse Universe completely reimagines the original color for something new.



77.5130, 79.8716, 87.6795



90.8729, 93.2602, 102.5303



77.3489, 80.2205, 85.5374



16.1251, 16.4734, 18.1410



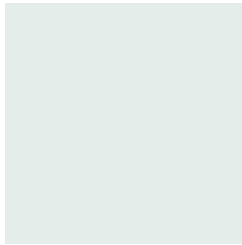
20.1096, 10.2465, 6.3787



1.6244, 0.8227, 0.7396

Previews

White Background



This preview shows how the XYZ color 77.4486, 83.1669, 89.8127 looks on a white background.

Color Contrast Check

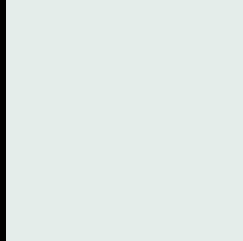
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 77.4486, 83.1669, 89.8127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

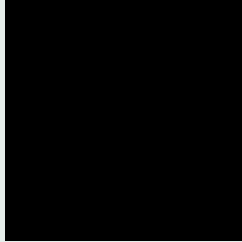
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

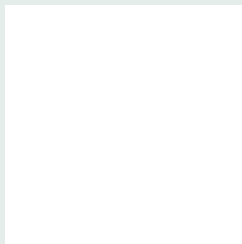
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.4486, 83.1669, 89.8127

Background



This preview shows how black text looks on a background with the XYZ color 77.4486, 83.1669, 89.8127.



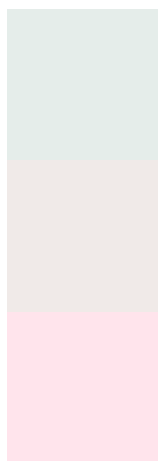
This preview shows how white text looks on a background with the XYZ color 77.4486, 83.1669,

89.8127.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

77.4486, 83.1669, 89.8127

Protanopia

79.9235, 83.1971, 88.1902

Deuteranopia

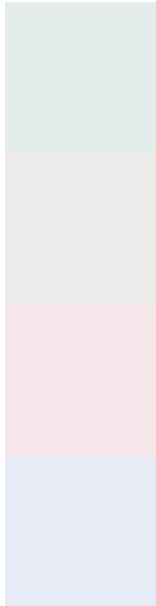
84.1237, 82.8029, 90.9056



Tritanopia

80.4312, 83.0933, 104.7279

Trichromacy



Original Color

77.4486, 83.1669, 89.8127

Protanomaly

79.0084, 83.1327, 88.9728

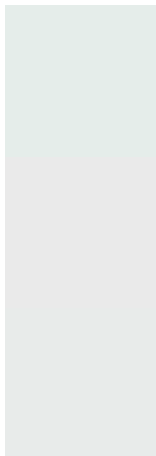
Deuteranomaly

81.5773, 82.7428, 90.2686

Tritanomaly

79.2979, 83.0594, 99.0414

Monochromacy



Original Color

77.4486, 83.1669, 89.8127

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.8383, 82.5130, 89.6660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4486, 83.1669, 89.8127 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(229, 237, 234) looks like.

```
.text, #text, p{  
    color:rgb(229, 237, 234)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(229, 237, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 237, 234) }
```

Border

The CSS property to change the border of an element to XYZ 77.4486, 83.1669, 89.8127 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(229, 237, 234) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(229, 237, 234) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(229, 237, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 237, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 237, 234);  
box-shadow:4px 4px 4px 4px rgb(229, 237,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4486, 83.1669, 89.8127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 237, 234) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(229,  
237, 234) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor